

EXHIBIT A



INSTITUTE OF MOLECULAR AGROBIOLOGY

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SUBJECT

(1)

DATE

PROJECT OR SANCTION NO.

1. Excise 40 petioles from 4 to 6 weeks old cotton plant (Cotton 312) growing at open land.

2. Sterilizing: All petioles of leaf were soaked in 2% bleach solution for 20 min followed by shaking with change with sterile distilled water.

3. Sterile petioles were preincubated in medium 9 for 2 days.

4. Agrobacterium tumefaciens strain LBA4404 (pTRC19/GFP) which was provided by Mr. Xujian.

A single colony from separation plate was inoculated ⁱⁿ to 100 ml tubes containing 10 ml LB medium (liquid) with 50 mg/l rifampicin.

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1. Cocultivation of *Phaseolus* and *Hypocotyl* (ex) with *Agrobacterium* LBA 4404 containing ¹⁵PAT.

① The bacterium cultures were diluted using liquid M medium to OD=0.3

② The 3mm segments of *Phaseolus* and 96 segments of *Hypocotyl* were soaked in the bacterium suspension for 5 minutes then transferring onto the cocultured medium covered filter paper and cocultured at incubator 24°C for 48 hours

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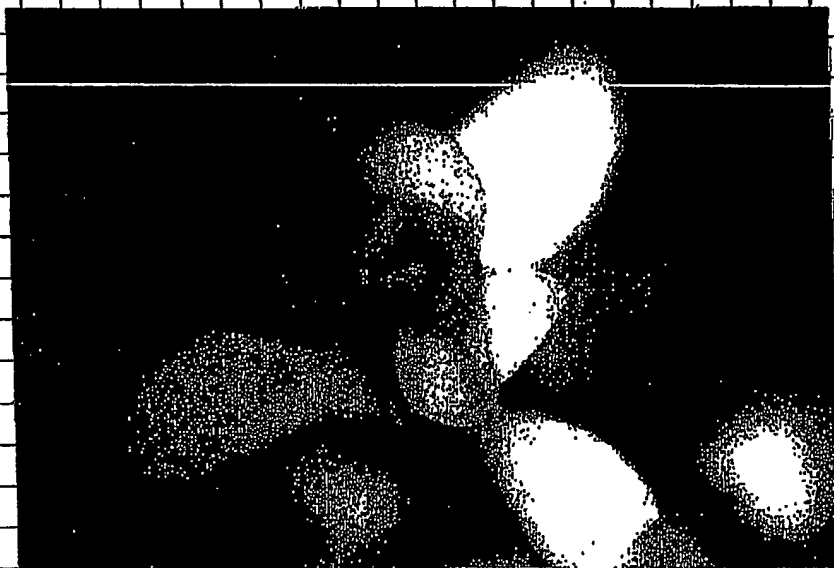
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The soaked seeds ^{still} were moved and nucleus
of the seeds were cultured in 1/2 MS medium
total 10 boxes each box containing
1000 medium and 5 seeds.

embryoids were observed in calli of
petioles.



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7/2 shoot 400 segments of young stem
and 400 segments of petiole and 100
segments of young leaf separately were
soaked in in the ~~incubation~~ suspension
(DD-3) for 4 min then transferring
onto the autoclaved medium colored 1/16
paper and incubated at 24°C
for 48 hours.

Total young stem segments 400 dishes
petiole segments 10 dishes
young leaf segments 3 dishes

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Grays

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Ron Whitman

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SUBJECT _____

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1. ~~Prep~~ calli from 9/1 initiation.
with GA3; KT + NAA; 2,4-D + 6BA.
with suspension cultures total 6 weeks.

2. Observing callus initiation.
The small callus from squirts of young
stem (2/5) initiate faster than the
callus from squirts of 10 weeks.

3. Preparation of initiation and selection
medium callus.

4. L. for callus 4/4 p.p.

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SUBJECT

DATE

PROJECT OR SANCTION NO.

Transferring *Agrobacterium* GFP explants
onto selected and initiated nodules

1. leaf 8 disks	= 64 segments
2. petiole 17 disks	136 segments
3. petiole of leaf 29 disks	= 232 segments
4. young stem 33 disks	= 264 segments

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Gang

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Don 2-X

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SUBJECT

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Transferring G12 potatoe callus (CK)
 Suspension culture to new differentially
 medium from 6 bottles suspension culture
 to 12 bottles cultures and some sub-
 and embryogenic callus also in suspension
 cultures. (take picture).

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Ken Z-X

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Continuing subculture of calli from
petiole to 98 d. stage each cultured
to a different medium

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Preparation of initiation differentiation
medium 23. 4 L.
9 2 L 500.
400 ml of 10% MS stock solution.
Add 769 mg PMS. 39 mg MS 6H₂O
89 mg phy to 96.
pH 5.8 autoclaving at 121°C
for 25 min.

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Granger

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John 2

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SUBJECT

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~~Preparation of liquid diffusion medium~~
~~for ...~~
~~2. Transfer of GFP suspension cultures to~~
~~suspension cultures~~
~~Preparation of leaf 3 flask~~
~~Preparation of callus 2 flask~~
~~Hypocotyl 4 flask~~
~~for subculture~~

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Gravys

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John 2 X

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Testing expression of GFP in
embryo and plantlet of
cotton. (from petiole)
many many different development
stage embryo have expression of
GFP and got 3 plantlet with
GFP expression

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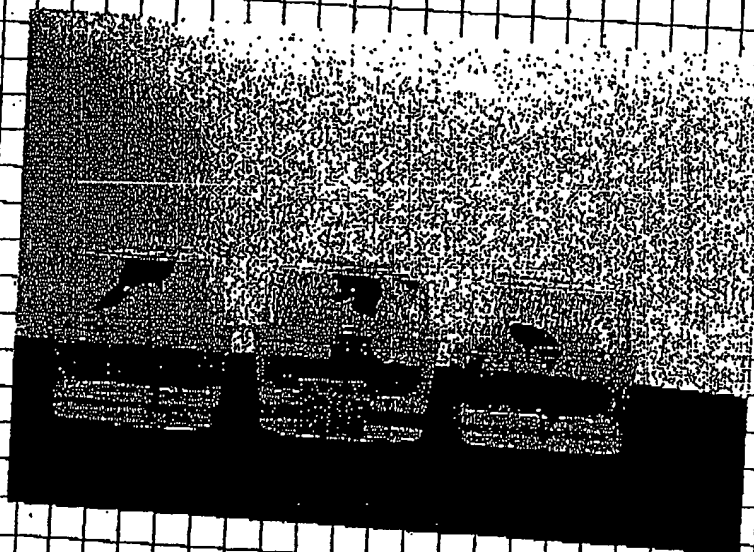
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*Transgenic plants transformed
GFP. to SRK indicates total 8 dishes*



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~~Transferring GFP plants to pots~~
with soil.

NO. 1 GFP ^{roots} ~~transferring~~
NO. 2 GFP ~~transferring~~ ^{possible}
NO. 2 GFP ~~transferring~~ ^{possible}

~~the~~ ^{the} NO GFP expression.

Trans coffee with GFP to
new medium.



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